

# KARMJEET CHAUHAN

## Frontend Developer

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## EXPERIENCE

### Software Development Intern

Jan 2026 – Jun 2026

ISRO – Space Applications Centre (SAC), Ahmedabad

- Developed a Java EE-based Vehicle Tracking and Fleet Management System for NavIC-enabled Vehicle Tracking Units (VTUs), enabling real-time geospatial visualization of the ISRO fleet.
- Designed and implemented a GraphHopper- and GeoServer-based route reconstruction module to recover missing GPS/NavIC tracking data by snapping vehicle positions to OpenStreetMap road networks.
- Improved route reconstruction accuracy to approximately **90–95%** while enhancing geospatial visualization, backend workflows, and UI using JSP, Java, JavaScript, MySQL, HTML, and CSS.

## PROJECTS

### ChatVibe – Real-Time Chat Platform — *Next.js 14 • TypeScript • Socket.io • MongoDB*

[GitHub](#) — [Live](#)

- Built a real-time messaging platform supporting one-to-one chats, group conversations, emoji reactions, online presence indicators, and media sharing.
- Implemented secure authentication using NextAuth.js with OAuth and managed application state using Zustand and TanStack Query, with form validation powered by React Hook Form and Zod.
- Integrated Socket.io for real-time events, Cloudinary for media storage, and Upstash Redis for caching, ensuring a scalable and reliable messaging experience.

### LinkForge – URL Shortener & Analytics — *Next.js • Express.js • MongoDB • TypeScript*

[GitHub](#)

- Developed a production-ready URL shortening platform with JWT authentication, custom aliases, an analytics dashboard, and QR code generation.
- Built RESTful APIs with Express.js and MongoDB, including JWT authentication, Swagger API documentation, and secure URL management.
- Built a responsive frontend with reusable React components and integrated analytics dashboards for tracking shortened URL performance.

### Kairo – Seasonal Anime Tracker — *Next.js 15 • TypeScript • Tailwind CSS • Jikan API*

[GitHub](#) — [Live](#)

- Built a responsive anime discovery platform featuring seasonal browsing, instant search, genre filtering, synopsis modals, and episode progress tracking.
- Integrated the Jikan (MyAnimeList) API using Next.js Server Components with hourly ISR revalidation for fast loads and fresh data.
- Implemented dark/light theme with local persistence, episode countdowns, and reusable shadcn/ui components with Framer Motion animations across desktop and mobile.

## TECHNICAL SKILLS

**Languages** JavaScript (ES6+), TypeScript, Java

**Frontend** React.js, Next.js, HTML5, CSS3, Tailwind CSS, shadcn/ui, Framer Motion, Zustand, TanStack Query

**Backend** Node.js, Express.js, REST APIs, Socket.io

**Databases** MongoDB, MySQL

**Tools** Git, GitHub, Docker, Postman, Vercel, Cloudinary, Upstash Redis, Figma

## EDUCATION

**Government Engineering College, Modasa (GTU)**

2022 – 2026

Bachelor of Engineering (Computer Engineering)

CGPA: **7.89 / 10**

## ACHIEVEMENTS

- Participated in a 36-hour **DAIICT Hackathon**, collaborating in a fast-paced environment to develop a real-time collaborative coding platform.
- Contributed to **OWASP/Nest** with **2 merged Pull Requests** and **2 resolved issues** in active open-source development.
- Completed **Hacktoberfest 2025** with **6 merged Pull Requests** across multiple open-source repositories.